



Recombinant Human GUK1 Protein Product Manual

1. Product Basic Information

Product No.: REP07061

Protein Name: Gmp Kinase (GUK1)

Aliases: GMK; MTDPS21; GMP kinase; guanylate kinase; guanylate kinase
ATP:GMP phosphotransferase

UniProt ID: Q16774

UniProt Link: <https://www.uniprot.org/uniprotkb/Q16774/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-197aa)

Molecular Weight: 37.6kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (2-197aa)

SGPRPVVLSGPGSGAGKSTLLKRLQEHSGIFGFSVSHHTTRNPRPGEENGKDYYFVT
REVMQRDIAAGDFIEHAEFSGNLYGTSKVAVQAVQAMNRCVLDVDLQGVRNIKAT
DLRPIYISVQPPSLHVLEQRLRQRNTETEEESLVKRLAAQAQADMESKEPGLFDVVIIN
DSLDAQAYAEKEALSEEIKKAQRTGA

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause

5. Product Description

This product is a recombinant Human GUK1 full length of mature protein protein (2-197aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. GUK1, also known as GMK or MTDPS21 or GMP kinase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.